

Docket No. 248448US2

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Arnaud GUEGUEN

SERIAL NO: New Application

GAU: Unassigned

FILED: Herewith

EXAMINER: Unassigned

FOR: METHOD AND DEVICE FOR EFFICIENT DECODING OF SYMBOLS TRANSMITTED IN A MIMO  
TELECOMMUNICATION SYSTEM

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Items AO-AT and AW-AZ on the PTO-1449 form are cited in the attached International Search Report. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**


- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
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Philip J. Hoffmann

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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. <b>248448US2</b>		SERIAL NO. <b>New Application</b>	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT <b>Arnaud GUEGUEN</b>			
				FILING DATE <b>Herewith</b>		GROUP <b>Unassigned</b>	
<b>U.S. PATENT DOCUMENTS</b>							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES      NO		
	AO	EP 1069722A	01/17/2001	EUROPEAN	X		
	AP	EP 1133071A	09/12/2001	EUROPEAN	X		
	AQ	WO 01/19013A	03/15/2001	WIPO	X		
	AR	FR 2810175A	12/14/2001	FRANCE		X	
	AS	WO 03/001726A	01/03/2003	WIPO	X		
	AT	WO 01/76094A	10/11/2001	WIPO	X		
	AU						
	AV						
<b>OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)</b>							
	AW	ABE, MATSUMOTO: "SPACE-TIME TURBO EQUALIZATION AND SYMBOL DETECTION IN FREQUENCY SELECTIVE MIMO CHANNELS" - IEEE VEHICULAR TECHNOLOGY CONFERENCE, 10/7-11/2001, Pages 1230-1234, XP001124945, New York, NY					
	AX	REYNOLDS, XIAODONG WANG: "LOW-COMPLEXITY TURBO-EQUALIZATION FOR DIVERSITY CHANNELS" - SIGNAL PROCESSING, Vol. 81, No. 5, May 2001 (2001-05), Pages 989-995, XP004239259, Amsterdam, NL					
	AY	KOTHANDARAMAN: "TURBO CODED BLAST" - IEEE INFORMATION THEORY WORKSHOP, 10/20-25/2002, Page 217, XP002250465, Piscataway, US					
	AZ	SINGER, ET AL: "LINEAR INTERACTIVE TURBO-EQUALIZATION (LITE) FOR DUAL CHANNELS" - SILOMAR CONFERENCE ON SIGNALS, SYSTEMS, AND COMPUTERS, 10/24-27/1999, Pages 1670-1674, XP010373913, New York, US				<input type="checkbox"/> Additional References sheet(s) attached	
Examiner							
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							